Name _____ Date _____

Word Quest

Find the following terms in your Interactive Worktext on pages 25–44. Underline or highlight the word in your Interactive Worktext each time you find it in the lesson. Complete the table below by writing a sentence from the text in which the word occurs, and then write your own sentence with the word in it.

TERMS	CONTEXT SENTENCE	YOUR OWN SENTENCE
force pg. _____		
friction pg. _____		
normal force pg. _____		
weight pg. _____		
OTHER TERMS	**CONTEXT SENTENCE**	**YOUR OWN SENTENCE**
mass pg. _____		
equilibrium pg. _____		
net pg. _____		

Review the words in the context sentences on this page. Underline or circle any you do not know. Working with a partner, find the definitions of these words. Record them in your own sentences in your Evidence Notebook.

Name _____ Date _____

You Write About It

1. Write two or three sentences to explain the relationship between force, mass, and acceleration. Then combine the sentences into one sentence using a word or phrase to connect the ideas.

2. Explain how balanced and unbalanced forces affect the motion of an object.

3. Explain the difference between free-body diagrams and force diagrams and how they are useful for modeling forces.

Home Connection

Have students take this page home to share with family members. Encourage them to share what they have learned about the relationship of force, mass, and acceleration.

force

An action exerted on a body that tends to change the body's state of rest or motion; force has magnitude and direction.

fuerza

Acción ejercida sobre un cuerpo que tiende a cambiar el estado de reposo o movimiento del cuerpo; la fuerza tiene magnitud y dirección.

friction

A force that opposes motion between two surfaces that are in contact.

fricción

Fuerza que se opone al movimiento entre dos superficies que están en contacto.

normal force

A force that acts on an object lying on a surface and acts in a direction perpendicular to the surface.

fuerza normal

Fuerza que actúa sobre un objeto que yace sobre una superficie y actúa en dirección perpendicular a la superficie.

weight

A measure of the gravitational force exerted on an object; its value can change with the location of the object in the universe.

peso

Medida de la fuerza gravitacional ejercida sobre un objeto; su valor puede variar según la ubicación del objeto en el universo.